

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,139,593 B2  
APPLICATION NO. : 10/023199  
DATED : November 21, 2006  
INVENTOR(S) : Adnan Kavak and Joseph Cleveland

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, delete Equation (2), and replace with --  $\rho_1 = |(a^1_c) * (a^1_p)|$  --;

Column 9, delete Equation (3), and replace with --  $\rho_2 = |(a^2_c) * (a^2_p)|$  --;

Column 10, line 10, delete " $w = \alpha^1_c$ " and replace with --  $w = a^1_c$  --;

Column 10, line 12, delete " $w = \alpha^2_c$ " and replace with --  $w = a^2_c$  --;

Column 12, claim 6, Line 64, delete the equation in claim 6 and replace it with --  $\rho_1 = |(a^1_c) * (a^1_p)|$  --;

Column 13, claim 7, delete the equation in claim 7 and replace it with --  $\rho_2 = |(a^2_c) * (a^2_p)|$  --;

Column 14, claim 16, delete the equation in claim 16 and replace it with --  $\rho_1 = |(a^1_c) * (a^1_p)|$  --;

Column 14, claim 17, delete the equation in claim 17 and replace it with --  $\rho_2 = |(a^2_c) * (a^2_p)|$  --; and

Column 15, claim 19, line 10, delete " $a^2_c$ " before the term "spatial".

Signed and Sealed this

Thirty-first Day of July, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*